

Conference theme

Worldwide, there is a rapid growth of consumption of electrical power due to the advancement of industrial and communication technologies and that raises subsequent production of electricity from different energy sources. As a result, advanced civilization was a subsequent by-product, but what happened for the environment and question rises whether there is sustainability for the mother earth. The concept of sustainable development is the one of accesses to sustainable energy. Sustainable development is not possible without sustainable energy access to all. Access or no access to energy measures our quality of life and its limited access represent one of the key barriers to achieve sustainable development. The objectives of the Sustainable Energy to be achieved with long-term sustainable development in relation to access to energy to ensure universal access to modern energy services; improvement in energy efficiency and increase the share of renewable energy. Both power generation and the principal sectors of energy consumptions are needed to have adequate power with sustainable issues. Therefore, the present conference will be a platform where researcher, academician and industrial stakeholder can exchange their challenges and issues to make the energy use to have sustainable future.

Venue

The conference shall take place at Jadavpur University campus, Kolkata. Kolkata or as it is called "The City of Joy", is known for its diverse culture and tradition. It is a Metropolitan city located in Eastern India and well connected by air and railway network. In February the weather in Kolkata is very pleasant.

Accommodation

Participants have to arrange their own accommodation. Hotels of different categories are available in the city.

The host University and Department

"To trace the history of Jadavpur University is to trace a part of India's freedom movement, at least from the Swadeshi Movement onwards. It was 1905 -1906." In 1906, the National Council of Education, Bengal was formed by several intellectuals. This Institute, later renamed College of Engineering and Technology, was in turn converted to Jadavpur University in 1955. Since then it grew as a centre of excellence in education and in global rating, the university consistently occupies a top rank (within top 10) among all Indian educational institutes. This university has two vibrant campuses with twenty five departments across science, arts and engineering disciplines and more than forty interdisciplinary schools and centres. It is a centre of academic excellence with vast cultural diversity.

Department of Mechanical Engineering established in 1906 as a part of National Council of Education, Bengal and later on in 1955 it became a part of Jadavpur University. At that time this department offered undergraduate degree engineering course in Mechanical Engineering and later on introduced courses on post graduate and doctoral level. Presently, it is the largest department of Jadavpur University with five specialized undergraduate laboratories and number of research laboratories with sophisticated equipment's and high end computational facility. The department is actively engaged in various research projects of National importance, involving organizations like DRDO, BRNS, DST, ARDB, NSTL, to name a few.

The Institution of Engineers (India)

The Institution of Engineers (India) [IEI] established in 1920 as a statutory body to endorse the advancement in engineering and technology and also integrated to Royal Charter in 1935. Incorporating 15 engineering department with a membership of over 820 thousands, IEI is the major multi-disciplinary professional body of engineers serving the nation for more than 9 decades. Having more than 100 Centres and a number of Overseas Chapters, Foras and Organ, the headquarters of the IEI (India) is located in Kolkata. It is the first professional body to represent India in numerous International Bodies, like the World Federation of Engineering Organizations (WFEO), the World Mining Congress (WMC), the Commonwealth Engineers' Council (CEC), the Federation International du Beton (fib), and the Federation of Engineering Institutions of South and Central Asia (FEISCA).

14-15 February, 2020

Jadavpur University
Kolkata, India

International Conference on Energy and Sustainable Development 2020 (ICESD 2020)

Organized by



Department of
Mechanical Engineering
Jadavpur University,
Kolkata, India



The Institution of
Engineers (India)
8 Gokhale Road,
Kolkata, India

Under support from
Rashtriya Uchcharat
Shiksha Abhiyan

About The Conference

The objective of the conference is to gather researchers to present advances in the fields of energy and sustainable development to raise an environment encouraging to exchange ideas and information. This conference will also provide an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products of the mentioned fields. This conference includes invited keynote talks by distinguished experts from both industry and academia and number of parallel technical sessions spread over two days. This would serve as a platform for young researchers to meet and discuss with academic experts and get motivated further to produce high quality research.

The conference includes the following themes but not limited to:

- Advances in modelling, simulation and visualisation of energy systems.
- Artificial intelligence in energy applications.
- Augmentation of heat transfer/energy.
- Batteries and Energy storage.
- Clean energy conversion technologies.
- District heating, thermal storage and geothermal technology.
- Energy efficiency.
- Energy conservation in buildings.
- Energy demands, future trends and its environmental impacts.
- Energy education for sustainability.
- Energy management policy, economics and social science applications.
- Energy transfer in MEMS/Microfluidics and Nanofluidics.
- Materials research for energy innovation.
- Optimisation of energy systems.
- Renewable and clean energy generation.
- Solutions for by-products of energy generation.
- Sustainable consumption, recycling and thermal stress.
- Transportation technology and management.
- Water conservation and management.

Call for Paper

The International Conference on Energy and Sustainable Development 2020 (ICESD 2020) invites academicians, scientists, peoples from industry and researchers to send original research work and case studies. Please use the conference template for this.

Publication

All research paper submitted in ICESD 2020 will go through review process by experts. Original and high quality papers will be accepted after reviewing and will be published in conference proceedings. Selected papers will be considered for special issue of *Process Integration and Optimization for Sustainability* and *Journal of The Institution of Engineers (India)*. We are also in touch with some reputed international journals, for publishing special issues from the Conference papers.

Please mail your Extended Abstract to icesd20@gmail.com as per the template available at www.jaduniv.edu.in (events page)

Important Dates

Submission of Extended Abstract:

8th November 2019

Notification of Acceptance:

1st December 2019

Submission of Revised Version (if required):

15th December 2019

Last date of registration: 15th January 2020

(For each paper, one author must register by the last date)

Registration Fee for Authors / Delegates

Delegates from Industries: ₹ 5000

Delegates from Academia: ₹ 3000 (India and SAARC countries) / \$ 200 (Other Countries)

Research Scholars/ Students: ₹ 2000 (India and SAARC countries) / \$ 150 (Other Countries)

The details of payment procedure is to be announced.

Contact Us

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